

0106 Reflecting Mirror

FR1000-P



1310 nm/1550 nm Faraday Rotator, Polarization Maintaining

The polarization maintaining Faraday rotator featured with a low insertion loss, high return loss, high extinction ratio and excellent environmental stability & reliability. They are ideal for polarization maintaining fiber amplifiers, fiber lasers, telecom system and instrumentation applications.

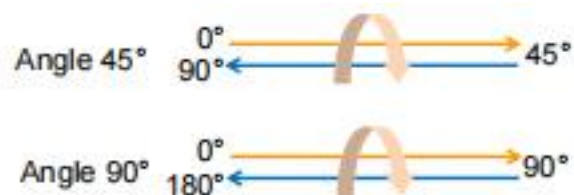
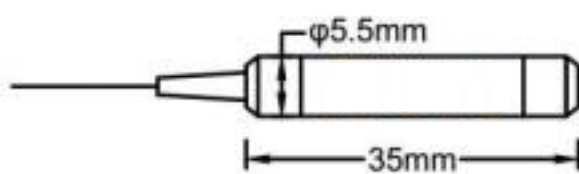
FEATURES

- Low Insertion Loss
- High Return Loss
- High Stability and Reliability

USE IN

- Fiber Optic Instruments
- Fiber Sensor
- Fiber Lasers

MECHANICAL DRAWING



Center Wavelength	1310 nm or 1550 nm
Operating Wavelength Range	±15 nm from Center
Insertion Loss	0.6 dB max.
Faraday Rotation Rate for CWL	45 deg
Max. Rotation Angle Tolerance for CWL	±3 deg
Extinction Ratio for CWL, Only for PM	20 dB min.
Polarization Mode Dispersion	0.05 ps max.
Power Handling	500 mW
Fiber Type	PM Fiber
Max.Tensile Load	5 N
Operating Temperature	-5°C to +70°C
Storage Temperature	-40°C to +85°C

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.
1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.
2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.